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Years: 1971-2005

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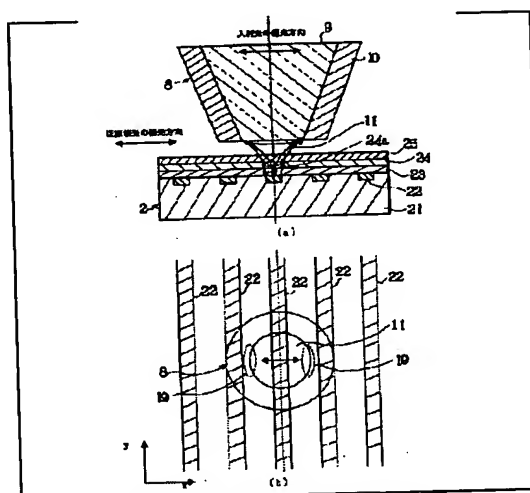
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JP2003217172 A
RECORDING MEDIUM, OPTICAL
PROBE AND INFORMATION
RECORDING AND REPRODUCING
DEVICE
RICOH CO LTD

Abstract:

PROBLEM TO BE SOLVED: To perform high density recording by enhancing the utilization efficiency of light of a recording layer.

SOLUTION: Stripes 22 with low resistance or dots 41 with low resistance constituted of a metal material are provided along the face opposed to an optical probe 8 of the recording layer 24 for recording information in a recording medium 2 and the face on the side opposite thereto and in the direction parallel to the direction of a data row. An electric field by near field light generated at a minute aperture 11 at the tip of the optical probe 8 by irradiating the optical probe 8 with a laser beam is focused on the stripes 22 with low resistance or the dots 41 with low resistance, the recording layer 24 is efficiently heated and a recording mark is written.



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